

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION - MATERIALS LABORATORY  
PO BOX 47365 OLYMPIA, WA 98504/STREET-1655 S. 2nd AVE TUMWATER, WA 98512

BITUMINOUS SECTION TEST REPORT  
TEST OF PAVING ASPHALTS

GRADE: PG64-22 Antistrip: %  
SUPPLIER: EXXON MOBIL Type:  
SHIPPER: EXXON MOBIL  
DATE RECD: 06/25/2010  
SR NO: 12 COUNTY:  
SECTION: GRAND MOUND TO MAYTOWN

WORK ORDER # 007465  
TRANS. LTR.# 107974  
LAB.IDENT. # 0000107974  
ASPH. LAB. # A100366  
BID ITEM. # 108.02  
REGION # 43

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ACCEPTANCE NO.	ASSURANCE NO.	CERT NO.	DATE SAMPLED
13		15478	06/24/2010

TEST: RESULTS: SPECIFICATIONS:

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ORIGINAL PROPERTIES:

VISCOSITY	
(BROOKFIELD) @ 135 C, Pa s	3 MAXIMUM
DYNAMIC SHEAR @ 64 C, kPa	1.00 MINIMUM
C.O.C. FLASH POINT, C	230 MINIMUM

RTFO AGED PROPERTIES:

MASS LOSS AFTER RTFO, %	1.00 MAXIMUM
DYNAMIC SHEAR @ 64 C, kPa	2.20 MINIMUM
MSCR @ 3.2 kPa @ C, %	REPORT ONLY
DIFFERENCE RECOVERY, %	REPORT ONLY
NON-RECOVERABLE COMPLIANCE, Jnr	REPORT ONLY

MSCR and Jnr testing performed at PG base grade temperature

PAV AGED PROPERTIES:

PAV AGING TEMPERATURE C	
DYNAMIC SHEAR @ 25 C, kPa	5000 MAXIMUM
DYNAMIC SHEAR @ 22 C, kPa	REPORT ONLY
CREEP STIFFNESS @ -12 C	
"S", MPa	300 MAXIMUM
"m"	0.300 MINIMUM

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OSC LABORATORY:

Materials File	X	Material does
General File	X	specification requirements.
REGION: OLYMPIC		Remarks:
Construction Engineer	43	SAMPLE APPROVED FOR USE ON THIS
Materials Engineer	43	CONTRACT BASED ON PREVIOUS AND
PE: M. NEBERGALL	X(2)	SUBSEQUENT PASSING TEST
EXXON MOBIL	X	RESULTS.
		THOMAS E. BAKER, P.E.
		Materials Engineer

T-119	T-126
T-120	T-132
T-121	T-133
T-124	T-136
T-130	
T-131	
T-134	
T-173	1

By: Joseph R. DeVol 

Date 07/15/2010  
Telephone 360-709-5421



Washington State  
Department of Transportation



### Sample Information

LAB ID No.	A100.366
Sample ID	00000107974

Work Order 007465

Orgcode 434304

UOM

Section Grand Mound to Maytown Stage One - Add Lanes

SR Number 012

Contractor

Remarks

Material PG 64-22 - 9-02.1(4)A - 2008

Bid Item No 108.02

Sampled At Lakeside Centralia

Date Sampled 6/24/2010

IA Sample No

Supplier Name Exxon Mobil Portland OR.

Manufacturer Exxon Mobil

Spec Ref

Size

Type Oil

Make PG 64 -22

Cert No 15478

Stockpile No

Grade PG 64 -22

Pit No

Sampled By John O'Dell

Quantity Represented 34.35

Acceptance Sample No 13

Used At Station

Asphalt % Requested

Mix ID No

Lot No

Heat No

Reel No

Roll No

Ignition Furnace Calibration factor:

State Field

### Specifications

Test Property	Field Result	Region Result	HQ Result	Jmf	Lower Limit	Upper Limit
C.O.C. Flash Point, C					230	
Viscosity at 135 C, Pa·s						3
Original Dynamic Shear at 64 C, kPa					1	
% Mass Change						1
RTFO Dynamic Shear at 64 C, kPa					2.2	
PAV Dynamic Shear at 25 C, kPa						5000
Creep Stiffness at -12 C, "S", MPa						300
Creep Stiffness at -12 C, "m"					0.3	

Project Engineer  
Nebergall, MaryLou

Submitted by  
John O'Dell

Phone  
(360) 570-6767

RECEIVED

JUN 25 2010

STATE MATERIALS LAB